

THE OUTCROP.

Devoted to the Mining and Development of the Windermere and Golden Divisions of the District of North East Kootenay.

Book VI., Chapter 18.

Wilmer, B. C., Thursday, September 14, 1905.

\$2.00 Per Year.

THE TOPOGRAPHY OF EAST KOOTENAY

The configuration of East Kootenay is not unlike the shape of a dog's hind leg. The flank—the widest part—rests upon the International boundary line. The handle—the narrowest part—is at the Big Bend of the Columbia river, the crook or hough commences where the Kicking Horse enters the Columbia, and ends near the Bull River—where the flank commences. Its widest part on the International boundary line being between 80 and 90 miles.

Running north and south for nearly three hundred miles, flanked on the east and west by the towering ranges of the Rockies and the Selkirk, is the wide and beautiful valley through which flows the Columbia river to the north, and the Kootenay river to the south, to join waters again in West Kootenay. The valley is ten to thirty miles wide, and gently rises to the foothills along the main ranges, which are often bold and craggy and rise in lofty peaks.

This is partly correct and holds mainly true traversing the valley southward until St. Marys river is reached in Fort Steele mining division, where the mountains with their foothills recede, and a wide fan-like country opens out and stretches southward beautifully wooded, containing stretches of prairie land, undulating and rising higher in some parts as to form even ridges of mountains. This part of the district contains some fine arable land, which is being rapidly occupied by farmers and ranchers. In it are the Tobacco Plains, which stretch away down to Montana and St. Joseph's Prairie, where fine crops can be raised by irrigation.

This district is well watered by the Kootenay river and its eastern and western tributaries, and the Moyie river with its affluents. The Moyie river rises in the south-western part of Fort Steele mining division and flows eastward, when it makes a bend and flows southward across the International boundary line and joins the Kootenay river in Idaho on its return course north. The Southern British Columbia railway after leaving Cranbrook crosses over and runs down by the Moyie river and then rounds the lower end of Kootenay lake to enter West Kootenay. There are some fine timber lands and valuable mines in its basin. On its creek are some rich placer claims which are now being worked.

The most important tributaries that the Kootenay has from the east are the Elk river, which rises away far past the mouth of the Crown Pass and drains a large area of country, and on it and its creeks are the great coal measures of South East Kootenay. The next important tributaries going north are Snake creek, Bull river and the famed Wild Horse creek. On the west side the most important affluent of the Kootenay is St. Marys river, which falls with the Kootenay near Fort Steele. It passes through the Kootenay Indian reservation. A few miles in its mouth, and lying in its valley, is the St. Eugene Mission—a Roman Catholic Mission for the conversion of the Indians.

A few miles north of Fort Steele the valley of the Kootenay appears to contract and the mountains and foothills on either side are not so far apart. This continues right on to Canal Flat, a distance of 50 miles. This is where the Kootenay emerges from out of the Rockies and flows on its outward western side southward. The headwaters of the Kootenay are about 60 miles distant, away up among the Rockies, and are alone upon the divide between East Kootenay and Alberta. In this long, narrow valley from the Canal Flat northward to its headwaters, there are no settlers and the valley itself is in its primitive condition. There are some fine grazing grounds and plenty of land suitable

for cultivation. The Indians during the hunting season visit it and secure game, mountain sheep, and plenty of deer.

The headwaters of the Columbia river are in the Upper Columbia lake, close to the north side of the Canal Flat. The Canal Flat is a level stretch of land, about one and a half miles broad. It connects the two valleys. The Upper Kootenay and the Upper Columbia, which are practically one valley. This valley is continued away up to the big bend—a distance of 150 miles—which is the northern limit of East Kootenay, and where the river makes its great wheel for the south. The Kootenay emerges out of its lateral valley in the Rockies, flows past the headwaters of the Columbia and enters the southern continuation of the valley which extends away beyond the International line.

There is a marked peculiarity between the two portions of the valley, so much so that geologists affirm that the waters of the Columbia must have flowed south at one time and that the original source of this river was the Kicking Horse river, which emerges from a lateral pass in the Rockies near Golden, a distance of over 100 miles, and flows into the valley and joins the Columbia at Golden. Not only is there a marked peculiarity in the two portions of the valley, but there is a great difference in the character of the two rivers. The Kootenay is a swift, rapid running stream, with lots of "riffles"; whereas the Columbia in East Kootenay is a slow-moving turbid stream, meandering along its course, breaking into many branches bordered by marshes and swamps. This valley of the Columbia has been likened unto a trough—a larger one, in which is the valley, and a smaller one beneath the bottom of the larger, in which the river flows.

Apparently, from the configuration of this valley, it must have been at one time, about the preglacial days, one great lake or a series of lakes, with its outlet at the south. The present tributaries of the Columbia in the Windermere and Golden mining divisions flow in southerly direction to join the main river, which is flowing in a northerly direction. The northern end of the lake was close to the town of Golden and the obstruction here, originally some moving rock or landslide, broken down by the force of the waters, gave a northern outflow, caused the waters to fall, the benches to appear and the formation of the big trough.

Another thing that has contributed to the northern outflow has been the formation of the Canal Flat—a big gravel bed—formed by the washing down of the debris by the Kootenay river and Findlay creek. Findlay creek is a large swift rushing stream, flowing out of a western lateral valley in the Selkirk, almost opposite the Kootenay at Canal Flat. It brings down a considerable quantity of matter and these two streams have formed the big gravel bed. The Kootenay river is only a few feet above the level of the Columbia lake. The southern outflow was thereby checked, and the waters when they ran to the northern level, flowed northward and the northern obstruction by the pressure of water was further reduced. This process was continued—the filling up of the southern end by debris and the lowering of the northern end by the pressure of water—until the change of flow took place.

The evidence of this change is specially marked at Dr. McKelvey's, the first big stream the Columbia receives from the west, where the old channel shows that the flow was south, and now the present channel has been deflected towards the north. The Selkirk range river with

its numerous tributaries is the principal stream the Columbia receives in East Kootenay. This stream drains a large area and flows in a lateral direction with the Columbia but in a diametrically opposite direction.

The other feeders of the Columbia on the western side are better known for the mines and mineral claims that have been located on them than for any importance they themselves possess. The streams on the eastern side do not run a long course and the areas drained by them are not extensive ones.

Near Donald the main feeders, the Blaney and Blaney, are on the eastern side, although it receives a feeder, the Beaver, from the western side. The only other topographical feature worthy of notice is the formation of the Kibasket lake, where the river expands out into a lake about six miles long and a mile wide. The lake will be about 20 miles from the Big Bend, where the Canoe river, flowing from the Cariboo district, unites its waters with the Columbia.

Most of the foregoing appeared in The Outcrop four years ago, but the Cranbrook Herald has about more details of the south to it, which here appear. As the information is always of interest to new-comers some further details will be added and the whole printed in booklet form for distribution.

DISTRICT CROPPINGS

And Other Items of Interest in a General Way

The Golden Star gives the following particulars of the death of J. A. McIntyre. He intended returning to his duties at the Palliser mills on Monday morning, his intention being to leave for Palliser on No. 2, which passes Golden at half past four in the morning. Engine No. 1038 was at the time doing some shunting in the yard and McIntyre, who complained of being cold, got into the fireman's side of the cab, where he could get warm, asking Dart in the meantime to be sure and wake him up, if he went to sleep, on the arrival of No. 2. Dart immediately turned round to fire up and had hardly finished when he was struck on the arm by some flying debris, breaking the right arm in two places. Dart called to McIntyre to jump but received no answer. A string of freight cars which had just been placed on the main track started back just as the engine was going in on the switch and stripped the locomotive down, one side from stem to stern, carrying the fireman's side of the cab along the tender of the engine together with the body of McIntyre, who was crushed to death in an instant before the tender and the corner of a freight car, being caught around the hips and almost severed, only the covering of the abdomen holding the legs and trunk together. It was all done in a twinkling, and even if McIntyre had been awake, as it is not known, although the fireman says he could not have been asleep as he was only speaking to him not more than seven or eight seconds before the accident occurred, coupled with the fact that it was still practically dark, it would have been well-nigh impossible for him to get away. The corner's injury found that no blame could be attached to anyone as a result of the accident.

A public meeting of Wilmer citizens is called for Saturday evening to discuss the best means of improving the city water works system. A full attendance of all interested is requested. Try Tax Outcrop for Job Printing

Char fishing is now said to be good in the Columbia river.

Capt. Thorold left for Golden on the Ptarmigan Monday.

Harry Wright, the popular Hudson's Bay Co. traveller, arrived on Saturday's boat and called on his customers in this vicinity.

Mr. and Mrs. B. H. Washburn of Wilmer are happy in the arrival of a daughter at their home last Saturday, September 8th.

Mr. and Mrs. S. Brower of Fairmont Springs spent last Friday night in Wilmer and cheered up the hearts of their friends—they are the friends of everybody, come again soon.

Another proof of the fine climate of the Columbia Valley is the fact that G. A. Starke has growing in his Wilmer garden as fine a crop of ripe tomatoes as can be found anywhere.

Bernard Ballman left Windermere for Golden last week and it is understood that with D. P. Kimpton he is going to pack supplies up the river, where extensive mining operations will be carried on.

Starting on Nelson's fair is to be held over on the 20th inst. The leading feature of the fair is to be a baby show. Wilmer babies can get the whole big bunch of prizes if they can only get to Nelson in time.

It is now very evident that shooting out of season must have been carried on quite extensively before the 1st inst. Up to the present no big "bags" of game have been reported and hunters report that all birds are very wild.

When the steamer Ptarmigan arrived at Athlone last Saturday the enterprising citizens of that thriving city entertained the passengers with a real live prize scrap—one man doing up two in a short encounter after a lengthy foot race.

A London, Eng., cable says that at a special meeting of the board of directors of the Le Roi Mining Co., operating at Roseland, a contract was arranged by which the option shipping product of the Le Roi mine will be sent to the smelter of the Canadian Smelting Works at Trail. The contract runs for a period of three years, commencing tomorrow, Sept. 15. The Norlport smelter will be closed just as soon as the supply of ore on hand on Sept. 15 can be smelted, as it is considered in the best interests of the Le Roi Company that the superior advantages of Trail as a smelting point should be utilized with all possible dispatch now that the majority of the Le Roi directors are fully convinced in this respect. Anthony J. McMillan has resigned from the directorate of the Le Roi Company. For upwards of a year Mr. McMillan was the managing director of the company.

Prof. Adams, with his wife, son and daughter, and Miss Crocker and Miss Bain, all left on Monday's Ptarmigan en route to their home in Montreal. For about two months this party of tourists has occupied R. S. Gall's pretty villa on the shore of Windermere lake at Canterbury, and so delighted were they with the advantages here afforded tourists that it is understood Prof. Adams has decided to build a summer residence at Canterbury and with his family will in future spend the summer months there. Prof. Adams is one of the principal instructors of the McGill University in Montreal and no doubt will be instrumental in sending many other tourists here in future years. While here he spent a great deal of his time writing a book and the ladies painted different views of the scenery here that one day is destined to make this valley famous.

Big Copper Strike

Headlight Group has Eight Feet of Ore, on S. F. of Horse Thief

Last Wednesday The Outcrop reporter accompanied Mr. R. S. Gallop to his group of claims, the Headlight Group, situated at the headwaters of the South Fork of Horse Thief creek. As it was Sunday before a return was made to Wilmer it is impossible to now tell of all the sights seen and claims visited, yet this is one of finest trips to be taken in the valley and the ore showings rank among the finest and the largest.

On the Headlight group a very big, and to this camp a very important, copper strike was made two weeks ago. This group extends from the Phoenix and World's Fair group, also owned by Mr. Gallop and partners, right over the summit to the Jumbo Fork of Toby creek. From the summit the glacier as it disappeared crushed the surface rock and has left it covered with broken rocks of various sizes and peculiar shapes. This shale is not so deep as it first appears, but it makes it difficult to locate the ledges, as it has strewn the whole country with boulders of very fine looking copper ore; some of these boulders of ore would no doubt weight two tons. Mr. Gallop in starting work a few weeks ago determined to have open cuts made at the most likely points up the hill and it was in one of these the strike was made. The wash had been removed and a narrow cut run in the solid rock about 20 feet, when the ledge was struck and further development proved it to be fully eight feet wide. At the time of the visit there the depth gained was not more than 10 or 12 feet, but from every indication the ledge ran across the hill and went on under the glaciers formed on either sides. Around this open cut it is estimated the miners had already piled up on the dump over 50 tons of this rich looking mineral. At the present writing no tests of the ore have yet been made and the exact value it may carry is awaited with much interest. As Mr. Gallop has expended thousands of dollars in this locality everyone hopes he is now about to reap the reward he so much deserves and all wish him success.

Wells Competition Cup Scores

Shooting for the Wells Competition Cup began last Friday by the members of the Wilmer Rifle Association and was continued on Monday. Another shoot, the final, is being shot as The Outcrop goes to press and a lively interest is manifested. Below are the scores made on the first two days of the match:

	20	30	40	50	60	70	80	90	100	Total
A. R. Yates	29	31	29	89	10	20	23	82		
Capt. R. Elliot	25	26	33	84	25	33	28	80		
F. L. Snook	20	38	37	117	31	27	34	92		
C. Palmer	24	28	21	73	25	25	15	63		
S. Langille	25	20	16	61						
R. Patton	15	15	15	45	20	22	21	68		
J. Harst										
R. A. Power										
L. Miller										
A. Palmer	30	29	17	76						

Mining Records.

The following records have been made at the Wilmer Mining Recorder's office:

Sept. 11—Dutchman's Dream and Mammoth, on Toby creek, by Charles Miller and Robt. M. Clute, Sept. 4.

ARRANGEMENTS.
Sept. 6—Majestic (5 years), on Toby creek, by R. A. Power.

Sept. 11—Silver Belt, on Spring creek, by C. M. Koop.

Sept. 9—Hot Punch No. 2 and Hot Punch No. 3, on North Fork of Toby creek, by W. B. Abel.

The Golden sports commence next Monday and two days of real enjoyment is promised. It is understood the steamers or Ptarmigan will leave here Sunday morning in order that the excursionists from this end of the valley may arrive there that evening and not miss any of the big shows.

Over at Athlone some very large game's have been shot during the past week.

Miss Hattie Rutherford, who has been visiting Mrs. Lake at Athlone for some weeks, returned to her home at Golden on Monday's boat.

Last week Capt. Cantlie wired The Outcrop that the Glean arrived safely at Spillanechee. The party of hunters aboard are said to have had a good time.

John J. McMillan left on Monday's steamer for West Kootenay. He is endeavoring to put through several mining deals in this camp and it is hoped he may meet with every success.

The Outcrop will print you, on short notice and in any amount, shipping tags, billboards, statements, letterheads, noteheads, names, receipts, envelopes, visiting cards, business cards, bills of exchange, dogtags, posters, etc. Will meet any quality or price.

THE OUTCROP.

Published Every Thursday in the heart of a Wonderfully Rich Mineral and Agricultural District.

Subscription, \$3.00 a Year; Foreign countries, \$2.50.

Exchange must be added on checks.

Advertising Rates: Display ads, \$2 per column inch per month. Legal ads, 10 cents per nonpareil line for first insertion and 5 cents each additional. Reading notices 15 cents per line each issue. Delinquent Co-owner notice \$10; Crown grant mineral claim notice, \$7.50; Timber Limit notice, \$5.

W. P. EVANS,

Publisher and Proprietor.

WILMER, B.C., THURSDAY, SEPT. 11, 1905.

Slipping Backward.

Our modern life is a wonderland, but most of us who move in it only scantily appreciate it as such. Its mystery is ever before us, and the soul's ceaseless task is the solving of it, leading the way into terrifying abysses of thought or rising to heights of rare elation. The material things are closer at hand; they surround and press in upon us and so become more necessary in the mere process of living.

A man buys his shoes and clothing and accepts them as matters of fact, as though they had always existed, seldom dreaming how many hands turned to the making of them for him; how many complex activities have been brought into play to produce ordinary things.

We work and contribute our part to the great economic scheme, and while we benefit others, there is a vast army that works for our comfort and well being. The primitive man fed and clothed himself with his own hands, and builded his own habitation. Now none of these things are imperative to us, for human effort is so specialized, and the care of man is so perfected, that other hands not only house, cloth and feed him; but there are wise men to look to the care of his entire body and holy men to look to the welfare of that which is in the body, but is neither of flesh nor blood, but of the substance that uplifts and sanctifies prayer.

There are hands to care for the hair, to shave the face, to train the eyebrows, to care for the delicate mechanism of the eye, to treat the nose, the mouth, the teeth, and the ears, to care for the hands, the feet, and the entire interior apparatus which makes the man the most wonderful of machines. There is even some one to look after the brain, and so well is this world of mystery known in its physical aspects, that it is charted and mapped with geographic exactness.

If suddenly deprived of all of these helps a modern man would find himself in a dire situation. Not being able to master all the processes necessary to the making of cloth, from the growing of cotton or the shearing of wool to the weaving, he would instinctively cover his nakedness with the skin of some other animal, just as his ancestors did in the long years ago. Thus he would suddenly be thrust back hundreds of years in the scale of life.

That all these varied things which make for creature comforts and refine life might be swept away in a breath is a conception which is fruitful only in the field of speculation, which it opens up. Apparently we are held secure against such a lapse by thousands of invisible bonds and by the mechanical marvels of the age. And yet there has just been furnished an example of what might happen when by a sudden freak of event one is cut off from that form of society which does so much for the individual and ends by annihilating him; also by what slight things we are held in our places during a particular period and how easily it befalls that we go lapsing backward.

A modern steamship, furnished with latest product of the genius of the time, broke part of her machinery, a bit of steel the very name of which has no significance to the average man. It had held them safe on their way, and in a practical and prosaic century, yet when it gave away, the ship, crew, and passengers drifted back into another century, into an old-fashioned sea romance.

Hunger knawed them and they panted for fresh water. They drifted as hopelessly as a disabled caravel on an unknown sea. Fish, even sharks, were caught for food, and finally the crew, among them dependants of fierce Asiatic pirates, rose in mutiny. Nearly three weeks of this experience, cut off from the world, and finally help came.

Out of a bit of the strenuous, primitive past they were towed back into the matter of realities of today.

The men who will replace that piece of fractured steel will probably never realize how its injury worked a marvel in turning time backward. Every object takes on value or loses it according to the angle at which we regard it. There is always the interesting angle to even the smallest things that relate to life and the living of it by man, not excepting the eccentric stud of a ship's engine.—The Vancouver Province.

All K.C.R. Surveys Pass Through



ATHALMER



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Situated at the head of the great Columbia River, and at the foot of the beautiful Windermere Lake. Athalmer is the Supply Point for all the Lumber Camps and all the Mines are reached from it. All Roads and Trails radiate from Athalmer.

There is no doubt about the railway passing right through Athalmer as every survey has made that point clear and switch yards have also been surveyed here. The purchase of town lots in Athalmer is a safe and profitable investment and prices are sure to advance.

A Ground Floor Chance.

Already Athalmer has a Hotel, Two Stores, Sawmill, Church, School, Hall, Telephone and Steamboat Communication, Etc., Etc., Etc. And there are good opportunities for other lines of businesses.

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is the Headquarters of all
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A Table that is always Replete with the Choicest
Seasonable Viands.

Rooms: Large, Airy and Comfortable.

G. A. STARKE, Prop.

LICENSE FOR SELLING NURSERY STOCK

Attention is directed to the provisions of Sec. 17 of the Horticultural Board Act which reads as follows:

"No person, firm or corporation shall engage or continue in the business of selling, as principal, agent, solicitor, or otherwise, within the Province, fruit trees, plants or nursery stock, or of importing for sale, fruit trees, plants or nursery stock into the Province, without first having obtained a license to carry on such business in the Province as in this Act provided."

All persons authorized to sell nursery stock in this Province are required by their principals or by themselves to deposit bonds, in the Department of Agriculture, Victoria, B.C., for the faithful performance of their obligations. The Public is therefore warned not to purchase nursery stock except from duly licensed persons.

Office of the Board of Horticulture,
Department of Agriculture,
Victoria, 20th July, 1905.

J. R. ANDERSON,
Deputy Minister of Agriculture,
Secretary.

THE HOTEL WILMER.

Is a new building and is furnished throughout with all modern improvements.

The bar is supplied with the choicest brands of Wines, Liquors and Cigars.

THE TOURIST or Tenderfoot who wanders into Wilmer should always camp at the Hotel Wilmer.

Within its doors can be found beds that soothe the weary to dreamless sleep, drinks that calm the troubled soul, and food that no epicure could pass without sampling. If you want anything more see

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CHAMBERLAIN,**
Proprietor.

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LAND NOTICES.

NOTICE.

Notice is hereby given that 30 days after date I intend to apply to the Chief Commissioner of Lands and Works for a special license to cut and carry away timber from the following described lands in the North East Kootenai District:

Commencing at a post planted on south side of Horse Flat road, about 1/2 mile below the North Fork, thence east 10 chains, thence north 80 chains, thence west 120 chains, thence south 80 chains to point of commencement.

Dated July 28th, 1905. J. L. MCKAY.

NOTICE.

Notice is hereby given that 30 days after date I intend to apply to the Chief Commissioner of Lands and Works for a special license to purchase about 20 acres of Pine, Fir and Spruce land.

Commencing at south east corner of Lot 128, North East Kootenai District, thence west 10 chains, thence north 10 chains, thence east 10 chains, thence south 10 chains to point of commencement.

Dated July 28th, 1905. J. L. MCKAY.

LAND NOTICE

Notice is hereby given that 30 days after date I intend to apply to the Honorable, the Chief Commissioner of Lands and Works, for permission to purchase about 20 acres of Pine, Fir and Spruce land.

Commencing at south east corner of Lot 128, North East Kootenai District, thence west 10 chains, thence north 10 chains, thence east 10 chains, thence south 10 chains to point of commencement.

Dated July 28th, 1905. ALBERT K. CORRENT, J. L. MCKAY.

NOTICE.

Notice is hereby given that 30 days after date I intend to apply to the Chief Commissioner of Lands and Works for a special license to cut and carry away timber from the following described lands in the North East Kootenai District:

Commencing at a post planted on south side of Horse Flat road, about 1/2 mile below the North Fork, thence east 10 chains, thence north 80 chains, thence west 120 chains, thence south 80 chains to point of commencement.

Dated August 19, 1905. J. L. MCKAY.

NOTICE.

Notice is hereby given that 30 days after date I intend to apply to the Chief Commissioner of Lands and Works for a special license to cut and carry away timber from the following described lands in the North East Kootenai District:

Commencing at a post planted on south side of Horse Flat road, about 1/2 mile below the North Fork, thence east 10 chains, thence north 80 chains, thence west 120 chains, thence south 80 chains to point of commencement.

Dated 26th August, 1905. J. L. MCKAY.

NOTICE.

Notice is hereby given that 30 days after date I intend to apply to the Chief Commissioner of Lands and Works for a special license to cut and carry away timber from the following described lands in the North East Kootenai District:

Commencing at a post planted on south side of Horse Flat road, about 1/2 mile below the North Fork, thence east 10 chains, thence north 80 chains, thence west 120 chains, thence south 80 chains to point of commencement.

Dated 26th August, 1905. J. L. MCKAY.

W. L. HOUSTON,

Undertaker.

Coffins and Caskets always on hand.

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Engine and Boiler Repairing a Specialty.

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Main Nursery for Fruit Stock, South Vancouver, one mile south of city. Branches at Victoria and Metquit for seeds and Nursery Stock growing. Extra large plant for Fall delivery.

One year apple, 2, and 4 year old, \$10 to \$20 per 100.
Maynard Plum, \$1.00 each.
Bulbs for fall planting.

Extra nice stock of Cherry Peach, Plum, Apricot, Etc., now growing for fall orders. No expense, loss or delay of fumigation or inspection.

Let me price your list before placing your order. Catalogue Free. Garden, Field and Flower Seeds, Greenhouse and Bedding-out Plants.

Cut Flowers and Floral Designs. Fertilizers. Fine Supplies. Catalogue Free. White Labor.

M. J. HENRY
3010 WESTMINSTER ROAD,
VANCOUVER, B. C.

Stood by the Reporter.

The late George W. Childs, the proprietor of the Philadelphia Ledger, was a man who supported his subordinates when they were in the right. During a bitter congressional campaign one of the candidates called upon Mr. Childs and said:

"Mr. Childs, I have always considered you my friend. Am I right in that assumption?"

"Yes," said Mr. Childs in his quiet way, wondering what was coming.

"Well, I come to complain about your political reporter. His reports of my campaign have done me much damage."

"I understand," said Mr. Childs, "but our reporter has been printing your own speeches. Is that true?"

"Yes," said the publisher, "you are the guilty man. You are killing your own candidacy, and the Ledger is simply giving a faithful picture of the performance. Blame yourself and not the Ledger reporter."

And that was all the satisfaction this industrial politician could get from the publisher.

Why Cut Apples Turn Color.
The rapid change of color in cut apples is due to chemical action on the apple's own tissues. The apple, when cut, is exposed to the air. The juice of an apple not only contains water, sugar and various acids, but a starch which ferments when exposed to the air.

Lindet holds that the fermenting matter and the acids also are in different cells in the uncut apple, but are brought into contact as soon as the apple is cut. This is, however, not the point as the fermenting matter can only attack the aromatic body in the presence of oxygen. So long as the skin of the apple is whole no change can take place, but immediately this is wounded the oxygen begins its work, carbon dioxide is evolved, and the reddish brown appearance sets in, especially on unripe fruit.

Why the Mexicans Call Us Gringos.
In the southwest, especially along the Mexican border, Mexicans are vulgarly called "gringos" by the American cowboys and ranchers. The Mexicans have realized by contemptuously referring to the Americans as "gringos," unconsciously that they are using a word of American origin first applied to themselves.

During the Mexican war the army of Santa Anna was composed mostly of Indian peons who could neither shoot, drill nor fight. To distinguish these ignorant recruits from the trained regular Americans called them "greenies," and the Mexicans, with their Latin conservatism, converted it into "gringos," then "gringos." Later they applied it to those from whom they had first heard it, thinking it meant something especially bad.

Gunpowder Bags.
It is possible to weave a very attractive fabric—as regards appearance, at least—out of ordinary gunpowder. The cloth looks very much like silk and when ignited instantly disappears without leaving a trace behind.

The fabric is used for making bags to hold gunpowder, which in this shape are loaded into big guns. When lit they are of canvas, as is customary, they are not consumed by the explosion, and what remains of them after firing has to be removed from the powder chamber of the weapon. But if gunpowder bags be substituted for canvas the sack actually becomes part of the explosive charge, and no trace of it is left after the shot has sped.

Sound Enjoyment.
The spirit of modern life is to plunge into experience vigorously and get it out from them. This was the spirit that animated the man who preferred rough beefsteak because there was more "chew to it." Similarly, the attitude of Mr. Skillings, who had come to town to order a new family carriage.

"Now, I suppose you want rubber tires?" said the agent.
"No, sir," replied Mr. Skillings. "My folks ain't that kind. When we're riding we want to know it."

Repeating Young.
The feminine instinct begins young. The little girl who wore her new cloak for the first time in an east wind was not thinking of the east wind. Her mother, however, was, and she suggested that people who allowed their clothes to blow over their heads sometimes caught cold. "Oh, no, mother," observed her daughter complacently. "You don't catch cold when it's so pretty!"

Snip Went the Trap.
"My father has always told me," began Edna, "that pretty girls make poor wives. Now, when I marry it must be a girl who is not pretty at all, but one who is possessed of the home loving instincts, one who is unselfish and—"

"Oh, Mr. Montgomery—Edna—this is so sudden, but you may ask papa?"

Ready to Grow.
Manager—We must put a great deal of realism into this forest scene. Can you get some one to grow so as to resemble a bear? Assistant—I think so. There are six or seven stage hands who have not received their wages for three weeks. I'll call them.

An Unforgettable Fellow.
"I didn't close my eyes once last night."

"That so? Insomnia is a miserable thing, I must say."

"Oh, I slept all right enough. They closed themselves."—Cincinnati Times-Star.

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JOHN McLEOD, - - Manager.

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